

BRAIN RESEARCH MOLECULAR BRAIN RESEARCH

VOL. 31 NOS. 1,2

CONTENTS

JULY 1995

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – Excerpta Medica (EMBASE) – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Current Awareness in Biological Science (CABS)

Guidelines for the submission of manuscripts

v

Research reports

Cloning of a retinoic acid-induced gene, GT1, in the embryonal carcinoma cell line P19: neuron-specific expression in the mouse brain Y. Imai, Y. Suzuki, T. Matsui, M. Tohyama, A. Wanaka and T. Takagi (Japan)	1
Molecular cloning of a phosphoinositide-specific phospholipase C from catfish olfactory rosettes F.C. Abogadie, R.C. Bruch, R. Wurzbürger, F.L. Margolis and A.I. Farbman (USA)	10
Distribution of AMPA-selective glutamate receptor subunits in the human hippocampus and cerebellum N.C. Day, T.L. Williams, P.G. Ince, R.K. Kamboj, D. Lodge and P.J. Shaw (UK, Canada)	17
Expression of GABA _A receptor subunit mRNAs in hippocampal pyramidal and granular neurons in the kindling model of epileptogenesis: an in situ hybridization study W. Kamphuis, T.C. De Rijk and F.H. Lopes da Silva (The Netherlands)	33
Long-term expression of a reporter gene from latent herpes simplex virus in the rat hippocampus D.C. Bloom, N.T. Maidment, A. Tan, V.B. Disette, L.T. Feldman and J.G. Stevens (USA)	48
Spatial and temporal regulation of the rat calmodulin gene III directed by a 877-base promoter and 103-base leader segment in the mature and embryonal central nervous system of transgenic mice K. Shimoda, H. Ikeshima, K. Matsuo, J.-i. Hata, K. Maejima and T. Takano (Japan)	61
Limbic effects of repeated electroconvulsive stimulation on neuropeptide Y and somatostatin mRNA expression in the rat brain O. Zachrisson, A.A. Mathé, C. Stenfors and N. Lindefors (Sweden)	71
Distribution of dopamine D1, D2, and D5 receptor mRNAs in the monkey brain: ribonuclease protection assay analysis W.S. Choi, C.A. Machida and O.K. Ronnekleiv (USA)	86
Transient expression of FGF receptor-4 mRNA in the rat cerebellum during postnatal development A. Miyake, M. Minami, M. Satoh, M. Ohta and N. Itoh (Japan)	95
Successive organophosphate inhibition and oxime reactivation reveals distinct responses of recombinant human cholinesterase variants M. Schwarz, Y. Loewenstein-Lichtenstein, D. Glick, J. Liao, B. Norgaard-Pedersen and H. Soreq (Israel, Denmark)	101
Aberrant expression of neuropeptide Y in hippocampal mossy fibers in the absence of local cell injury following the onset of spike-wave synchronization R.S. Chafetz, W.K. Nahm and J.L. Noebels (USA)	111
Expression of interleukin 1 α , interleukin 1 β and interleukin 1 receptor antagonist mRNA in mouse brain: regulation by bacterial lipopolysaccharide (LPS) treatment M.-M. Gabellec, R. Griffais, G. Fillion and F. Haour (France)	122
Biosynthesis of large dense-core vesicles in PC12 cells: effects of depolarization and second messengers on the mRNA levels of their constituents C. Tschernitz, A. Laslop, C. Eiter, S. Kroesen and H. Winkler (Austria)	131
N-Methyl-D-aspartate and nitric oxide regulate the expression of calcium/calmodulin-dependent kinase II in the hippocampal dentate gyrus H.M. Johnston and B.J. Morris (UK)	141
N-Acetylaspargate as an acetyl source in the nervous system V. Mehta and M.A.A. Nambodiri (USA)	151
Neurotrophin expression modulated by glucocorticoids and oestrogen in immortalized hippocampal neurons J.L. Scully and U. Otten (Switzerland)	158
Tyrosine kinase phosphorylation of GABA _A receptors C.F. Valenzuela, T.K. Machu, R.M. McKernan, P. Whiting, B.B. VanRenterghem, J.L. McManaman, S.J. Brozowski, G.B. Smith, R.W. Olsen and R.A. Harris (USA, UK)	165
Differential effects of cysteamine on heat shock protein induction and cytoplasmic granulation in astrocytes and glioma cells V.S. Chopra, L.E. Chalifour and H.M. Schipper (Canada)	173
Involvement of peroxynitrite in N-methyl-D-aspartate- and sodium nitroprusside-induced release of acetylcholine from mouse cerebral cortical neurons S. Ohkuma, M. Katsura, J.-L. Guo, T. Hasegawa and K. Kuriyama (Japan)	185
Bovine and human tau, highly homologous but less crossreactive: implications for Alzheimer disease A. Del C. Alonso, I. Grundke-Iqbal and K. Iqbal (USA)	194
Transcriptional control of the rat serotonin-2 receptor gene S.J. Garlow and R.D. Ciaranello (USA)	201

(contents continued on p. 218)



0169-328X(199507)31:1/2;1-B

BRAIN RESEARCH MOLECULAR BRAIN RESEARCH

VOL. 31 NOS. 1,2

CONTENTS

JULY 1995

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – Excerpta Medica (EMBASE) – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Current Awareness in Biological Science (CABS)

Guidelines for the submission of manuscripts

v

Research reports

Cloning of a retinoic acid-induced gene, GT1, in the embryonal carcinoma cell line P19: neuron-specific expression in the mouse brain Y. Imai, Y. Suzuki, T. Matsui, M. Tohyama, A. Wanaka and T. Takagi (Japan)	1
Molecular cloning of a phosphoinositide-specific phospholipase C from catfish olfactory rosettes F.C. Abogadie, R.C. Bruch, R. Wurzburger, F.L. Margolis and A.I. Farbman (USA)	10
Distribution of AMPA-selective glutamate receptor subunits in the human hippocampus and cerebellum N.C. Day, T.L. Williams, P.G. Ince, R.K. Kamboj, D. Lodge and P.J. Shaw (UK, Canada)	17
Expression of GABA _A receptor subunit mRNAs in hippocampal pyramidal and granular neurons in the kindling model of epileptogenesis: an in situ hybridization study W. Kamphuis, T.C. De Rijk and F.H. Lopes da Silva (The Netherlands)	33
Long-term expression of a reporter gene from latent herpes simplex virus in the rat hippocampus D.C. Bloom, N.T. Maidment, A. Tan, V.B. Disette, L.T. Feldman and J.G. Stevens (USA)	48
Spatial and temporal regulation of the rat calmodulin gene III directed by a 877-base promoter and 103-base leader segment in the mature and embryonal central nervous system of transgenic mice K. Shimoda, H. Ikeshima, K. Matsuo, J.-i. Hata, K. Maejima and T. Takano (Japan)	61
Limbic effects of repeated electroconvulsive stimulation on neuropeptide Y and somatostatin mRNA expression in the rat brain O. Zachrisson, A.A. Mathé, C. Stenfors and N. Lindefors (Sweden)	71
Distribution of dopamine D1, D2, and D5 receptor mRNAs in the monkey brain: ribonuclease protection assay analysis W.S. Choi, C.A. Machida and O.K. Ronnekleiv (USA)	86
Transient expression of FGF receptor-4 mRNA in the rat cerebellum during postnatal development A. Miyake, M. Minami, M. Satoh, M. Ohta and N. Itoh (Japan)	95
Successive organophosphate inhibition and oxime reactivation reveals distinct responses of recombinant human cholinesterase variants M. Schwarz, Y. Loewenstein-Lichtenstein, D. Glick, J. Liao, B. Norgaard-Pedersen and H. Soreq (Israel, Denmark)	101
Aberrant expression of neuropeptide Y in hippocampal mossy fibers in the absence of local cell injury following the onset of spike-wave synchronization R.S. Chafetz, W.K. Nahm and J.L. Noebels (USA)	111
Expression of interleukin 1 α , interleukin 1 β and interleukin 1 receptor antagonist mRNA in mouse brain: regulation by bacterial lipopolysaccharide (LPS) treatment M.-M. Gabellec, R. Griffais, G. Fillion and F. Haour (France)	122
Biosynthesis of large dense-core vesicles in PC12 cells: effects of depolarization and second messengers on the mRNA levels of their constituents C. Tschernitz, A. Laslop, C. Eiter, S. Kroesen and H. Winkler (Austria)	131
N-Methyl-D-aspartate and nitric oxide regulate the expression of calcium/calmodulin-dependent kinase II in the hippocampal dentate gyrus H.M. Johnston and B.J. Morris (UK)	141
N-Acetylaspargate as an acetyl source in the nervous system V. Mehta and M.A.A. Nambodiri (USA)	151
Neurotrophin expression modulated by glucocorticoids and oestrogen in immortalized hippocampal neurons J.L. Scully and U. Otten (Switzerland)	158
Tyrosine kinase phosphorylation of GABA _A receptors C.F. Valenzuela, T.K. Machu, R.M. McKernan, P. Whiting, B.B. VanRenterghem, J.L. McManaman, S.J. Brozowski, G.B. Smith, R.W. Olsen and R.A. Harris (USA, UK)	165
Differential effects of cysteamine on heat shock protein induction and cytoplasmic granulation in astrocytes and glioma cells V.S. Chopra, L.E. Chalifour and H.M. Schipper (Canada)	173
Involvement of peroxynitrite in N-methyl-D-aspartate- and sodium nitroprusside-induced release of acetylcholine from mouse cerebral cortical neurons S. Ohkuma, M. Katsura, J.-L. Guo, T. Hasegawa and K. Kuriyama (Japan)	185
Bovine and human tau, highly homologous but less crossreactive: implications for Alzheimer disease A. Del C. Alonso, I. Grundke-Iqbal and K. Iqbal (USA)	194
Transcriptional control of the rat serotonin-2 receptor gene S.J. Garlow and R.D. Ciaranello (USA)	201

(contents continued on p. 218)



0169-328X(199507)31:1/2;1-B

(contents continued)

Short communication

- Acute repeated nicotine injections increase enkephalin and decrease AP-1 DNA binding activity in rat adrenal medulla
M.K. McMillian, P.M. Hudson, K.L. Simmons, D.A. Dreyer, J.-S. Hong and K.R. Pennypacker (USA) 210

Author Index 215